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NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS 4	MAY 10	CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS 5	MAY 11	KOREAPAT updates resume
NEWS 6	MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS 7	MAY 30	IPC 8 Rolled-up Core codes added to CA/CAplus and USPATFULL/USPAT2
NEWS 8	MAY 30	The F-Term thesaurus is now available in CA/CAplus
NEWS 9	JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS 10	JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and and display fields
NEWS 11	JUN 28	Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 12	JUl 11	CHEMSAFE reloaded and enhanced
NEWS 13	JUl 14	FSTA enhanced with Japanese patents
NEWS 14	JUl 19	Coverage of Research Disclosure reinstated in DWPI
NEWS 15	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS 16	AUG 28	ADISCTI Reloaded and Enhanced
NEWS 17	AUG 30	CA(SM)/CAplus(SM) Austrian patent law changes
NEWS 18	SEP 11	CA/CAplus enhanced with more pre-1907 records
NEWS 19	SEP 21	CA/CAplus fields enhanced with simultaneous left and right truncation
NEWS 20	SEP 25	CA(SM)/CAplus(SM) display of CA Lexicon enhanced
NEWS 21	SEP 25	CAS REGISTRY(SM) no longer includes Concord 3D coordinates
NEWS 22	SEP 25	CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine
NEWS 23	SEP 28	CEABA-VTB classification code fields reloaded with new classification scheme

NEWS EXPRESS	JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
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FILE 'HOME' ENTERED AT 11:13:04 ON 13 OCT 2006

=> file medline biosis caplus biotechno scisearch
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                 0.42       0.42

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FILE 'BIOSIS' ENTERED AT 11:13:55 ON 13 OCT 2006
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FILE 'SCISEARCH' ENTERED AT 11:13:55 ON 13 OCT 2006
Copyright (c) 2006 The Thomson Corporation

=> s DGAT1
L1          406 DGAT1

=> s DGAT-1
L2           38 DGAT-1

=> s diacylglycerol acyltransferase
L3         2033 DIACYLGLYCEROL ACYLTRANSFERASE

=> s argp1
L4           12 ARGP1

=> s argp-1
L5            5 ARGP-1

=> s acat related
L6           32 ACAT RELATED

=> s l1 and antisense
L7           10 L1 AND ANTISENSE

=> s l2 and antisense
L8            0 L2 AND ANTISENSE

=> s l3 and antisense
L9           33 L3 AND ANTISENSE

=> s l4 and antisense
L10           1 L4 AND ANTISENSE

=> s l5 and antisnese
L11           0 L5 AND ANTISNESE

=> s l6 and antisense
L12           1 L6 AND ANTISENSE

=> s l7 or l9 or l10 or l12
L13          37 L7 OR L9 OR L10 OR L12

=> dup rem l13
```

PROCESSING COMPLETED FOR L13
L14 33 DUP REM L13 (4 DUPLICATES REMOVED)

=> d ti 1-33

L14 ANSWER 1 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
TI Acyltransferase regulation to increase the percent of polyunsaturated fatty acids in total lipids and oils of oleaginous organisms

L14 ANSWER 2 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
TI Protein and cDNA sequences of a novel human transcription factor PGC-1β (peroxisome proliferative activated receptor γ coactivator 1β) for treating lipid-related diseases and disorders

L14 ANSWER 3 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
TI Intranasal delivery of agents for increasing long-chain acyl CoA levels in central nervous system for treatment of metabolic disorders

L14 ANSWER 4 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
TI Genes for diacylglycerol acyltransferases of plants and fungi and their use in modifying the levels of polyunsaturated fatty acids in edible oils

L14 ANSWER 5 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
TI Genes showing altered levels of expression in pancreatic disease and their use in diagnosis and prognosis of pancreatic cancer

L14 ANSWER 6 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
TI Minimal common regions in chromosomes showing changes in copy number in cancers and their use in the diagnosis, prevention, and treatment

L14 ANSWER 7 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
TI Treatment of Hedgehog- and Wnt-secreting tumors with inhibitors of lipoprotein particle biogenesis

L14 ANSWER 8 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
TI Cloning, sequences, diagnostic, drug screening and therapeutic uses of mammalian diacylglycerol acyltransferase-like proteins DC4

L14 ANSWER 9 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
TI Sequence requirements in double-stranded RNA for improved effectiveness in RNA interference and stability in systemic administration

L14 ANSWER 10 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
TI Antisense oligonucleotides for modulation of human diacylglycerol acyltransferase 2 gene expression and treatment of diseases

L14 ANSWER 11 OF 33 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI Antisense reduction of DGAT2 expression inhibits hepatic lipogenesis and improves liver steatosis in diet-induced obese rats.

L14 ANSWER 12 OF 33 MEDLINE on STN DUPLICATE 1
TI Antisense oligonucleotide reduction of DGAT2 expression improves hepatic steatosis and hyperlipidemia in obese mice.

L14 ANSWER 13 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
TI Mouse genes differentially expressed in liver cells during hyperinsulinemia and type II diabetes, related human genes, and uses for diagnosis and protection against same

L14 ANSWER 14 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
TI Oligonucleotides for modulating diacylglycerol

acyltransferase 1 expression and therapeutic and diagnostic use for metabolism disorders

L14 ANSWER 15 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
TI Oligonucleotides for modulating diacylglycerol acyltransferase 1 expression and therapeutic and diagnostic use for metabolism disorders

L14 ANSWER 16 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
TI Suppression of cottonseed oil to enhance yield of cotton fiber

L14 ANSWER 17 OF 33 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI Increased fatty acid production in potato by engineering of acetyl-CoA carboxylase

L14 ANSWER 18 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
TI Cloning and sequences of plant phospholipid:diacylglycerol acyltransferases (PDATs), construction of a chimeric gene, and production of a transgenic plant

L14 ANSWER 19 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
TI Differential expression of 1419, 58765 and 2210 genes in cardiovascular disease states, and methods and composition of treating the same

L14 ANSWER 20 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
TI Differential expression of 139, 258, 1261, 1486, 2398, 2414, 7660, 8587, 10183, 10550, 12680, 17921, 32248, 60489 or 93804 genes in cardiovascular disease states, and methods and compositions of treating the same

L14 ANSWER 21 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
TI Diacylglycerol acyltransferase proteins and genes from Mortierella ramanniana and other organisms

L14 ANSWER 22 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
TI Sequence of soybean diacylglycerol acyl transferase gene and production of diacylglycerol in plant seeds by inactivating DGAT gene

L14 ANSWER 23 OF 33 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN DUPLICATE 2
TI Inhibition of Dgat1 with a novel optimized antisense inhibitor lowers plasma glucose levels in ob/ob mice.

L14 ANSWER 24 OF 33 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI Biochemical and physiological studies of Arabidopsis thaliana transgenic lines with repressed expression of the mitochondrial pyruvate dehydrogenase kinase

L14 ANSWER 25 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
TI Marker-assisted selection of bovine for improved milk production by genotyping of the diacylglycerol acyltransferase gene DGAT1

L14 ANSWER 26 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
TI Sequences of Brassica napus diacylglycerol acyltransferase gene and uses thereof in altering plant oil composition

L14 ANSWER 27 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
TI Diacylglycerol acyltransferase activity in jojoba wax synthase and nucleic acids encoding related proteins from Arabidopsis

L14 ANSWER 28 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

TI Plant diacylglycerol acyltransferases and cDNAs and their uses

L14 ANSWER 29 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
TI Diacylglycerol acyltransferase protein and gene from Mortierella ramanniana

L14 ANSWER 30 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
TI plant and animal and fungal Acyl coa:cholesterol acyltransferase related nucleic acid sequences with utility in altering lipid composition of plant oils

L14 ANSWER 31 OF 33 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI Expression of either an antisense RNA or a dominant negative mutant of diacylglycerol acyltransferase (DGAT) blacks fat accumulation in Insulin/Dexamethasone induced 3T3-L1 cells

L14 ANSWER 32 OF 33 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI Expression of either an antisense RNA or a dominant negative mutant of diacylglycerol acyltransferase (DGAT) blocks fat accumulation in insulin/dexamethasone induced 3T3-L1 cells.

L14 ANSWER 33 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
TI DNA encoding human acyl-coenzyme A:cholesterol acyltransferases II and III and their therapeutic uses

=> d ab 11 15 23 25 32

L14 ANSWER 11 OF 33 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN

L14 ANSWER 15 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
AB The invention provides oligonucleotides and methods for modulating the expression of diacylglycerol acyltransferase 1. The invention also provides methods of using these compds. for modulation of diacylglycerol acyltransferase 1 expression and for diagnosis and treatment of disease associated with expression of diacylglycerol acyltransferase 1.

L14 ANSWER 23 OF 33 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN DUPLICATE 2

L14 ANSWER 25 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
AB The present invention provides a method of genotyping bovine for improved milk production traits by determining the diacylglycerol acyltransferase DGAT1 genotypic state of said bovine. The invention relates to the discovery of the bovine diacylglycerol acyltransferase (DGAT1) gene and polymorphisms within the bovine DGAT1 gene which are associated with increased milk yield and altered milk composition More specifically, several polymorphisms in the bovine DGAT1 gene have been identified distinguishing multiple DGAT1 alleles in different cattle breeds. These polymorphisms include: K232A (bases 6829/30 AA-CG nucleic acid change and Lys-Ala amino acid change); Nt984_8 (base 7438 A-G nucleic acid change); Nt984+26 (base 7456 C-T nucleic acid change); Nt1470+85 (base 8402 C-T nucleic acid change); Nt191+435 (base 626 T-G nucleic acid change); Nt191-3321 (base 3512 T-G nucleic acid change); Nt279+144 (base 4040 T-C nucleic acid change); Nt279+1067 (base 4963 A-G nucleic acid change); Nt279+1107 (base 5003 G-A nucleic acid change); Nt358 (base 5997 C-T nucleic acid change); Nt754+3 (base 6892 G-A nucleic acid change); Nt897+32 (base 7224/5 GG-AC nucleic acid change); Nt1251+42 (base 7987 G-A nucleic acid change). In particular, DGAT alleles

characterized by the K232A mutation have been identified as being associated with an increased milk volume and altered milk composition in animals dependent upon whether they are homozygous with or without the mutation or heterozygous carrying one mutated allele. The presence of the K232A mutation results in a decrease in milkfat percentage, milkfat yield, solid fat content, and milk protein percentage, while increasing milk volume and milk protein yield.

L14 ANSWER 32 OF 33 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN

=> d 11 15 23 25 32

L14 ANSWER 11 OF 33 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
AN 2006:15391 BIOSIS
DN PREV200600018424
TI Antisense reduction of DGAT2 expression inhibits hepatic lipogenesis and improves liver steatosis in diet-induced obese rats.
AU Yu, Xing Xian [Reprint Author]; Shen, Lijiang; Pandey, Sanjay K.; Petok, Sara; Monia, Brett P.; Bhanot, Sanjay
SO Diabetes, (2005) Vol. 54, No. Suppl. 1, pp. A376.
Meeting Info.: 65th Annual Meeting of the American-Diabetes-Association. San Diego, CA, USA. June 10 -14, 2005. Amer Diabet Assoc.
CODEN: DIAEAZ. ISSN: 0012-1797.
DT Conference; (Meeting)
Conference; (Meeting Poster)
LA English
ED Entered STN: 21 Dec 2005
Last Updated on STN: 21 Dec 2005

L14 ANSWER 15 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:780267 CAPLUS
DN 141:282753
TI Oligonucleotides for modulating diacylglycerol acyltransferase 1 expression and therapeutic and diagnostic use for metabolism disorders
IN Monia, Brett P.; Graham, Mark J.
PA Isis Pharmaceuticals Inc., USA
SO U.S. Pat. Appl. Publ., 55 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2004185559	A1	20040923	US 2003-394808	20030321
US 2004209838	A1	20041021	US 2004-803482	20040318
WO 2004094618	A2	20041104	WO 2004-US6083	20040319
WO 2004094618	A3	20060622		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, US

RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1613728	A2	20060111	EP 2004-722144	20040319

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,

IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK
PRAI US 2003-394808 A2 20030321
US 2004-803482 A2 20040318
WO 2004-US6083 W 20040319

L14 ANSWER 23 OF 33 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN DUPLICATE 2
AN 2003:460076 BIOSIS
DN PREV200300460076
TI Inhibition of Dgat1 with a novel optimized antisense inhibitor lowers plasma glucose levels in ob/ob mice.
AU Murray, Susan [Reprint Author]; Booten, Sheri [Reprint Author]; Song, Susan [Reprint Author]; McKay, Robert [Reprint Author]; Monia, Brett [Reprint Author]; Bhanot, Sanjay [Reprint Author]
CS Carlsbad, CA, USA
SO Diabetes, (2003) Vol. 52, No. Supplement 1, pp. A300. print.
Meeting Info.: 63rd Scientific Sessions of the American Diabetes Association. New Orleans, LA, USA. June 13-17, 2003. American Diabetes Association.
ISSN: 0012-1797 (ISSN print).
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 8 Oct 2003
Last Updated on STN: 8 Oct 2003

L14 ANSWER 25 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:353657 CAPLUS
DN 136:364970
TI Marker-assisted selection of bovine for improved milk production by genotyping of the diacylglycerol acyltransferase gene DGAT1
IN Georges, Michel Alphonse Julien; Coppieters Wouter, Herman Robert; Grisart, Bernard Marie-Josee Jean; Snell, Russell Grant; Reid, Suzanne Jean; Ford, Christine Ann; Spelman, Richard John
PA Belg.
SO PCT Int. Appl., 128 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002036824	A1	20020510	WO 2001-NZ245	20011031
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
NZ 507888	A	20030630	NZ 2000-507888	20001031
CA 2427223	AA	20020510	CA 2001-2427223	20011031
AU 2002024229	A5	20020515	AU 2002-24229	20011031
EP 1330552	A1	20030730	EP 2001-992795	20011031
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2004076977	A1	20040422	US 2003-415620	20031113
PRAI NZ 2000-507888	A	20001031		
NZ 2000-508662	A	20001206		
WO 2001-NZ245	W	20011031		

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 32 OF 33 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
AN 2000:15008 BIOSIS
DN PREV200000015008
TI Expression of either an antisense RNA or a dominant negative mutant of diacylglycerol acyltransferase (DGAT) blocks fat accumulation in insulin/dexamethasone induced 3T3-L1 cells.
AU Yu, Yi-Hao [Reprint author]; Oelkers, Peter M. [Reprint author]; Sturley, Stephen L. [Reprint author]; Ginsberg, Henry N. [Reprint author]
CS P and S, Columbia Univ, New York, NY, USA
SO Circulation, (Nov. 2, 1999) Vol. 100, No. 18 SUPPL., pp. I.745. print.
Meeting Info.: 72nd Scientific Sessions of the American Heart Association. Atlanta, Georgia, USA. November 7-10, 1999.
CODEN: CIRCAZ. ISSN: 0009-7322.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 29 Dec 1999
Last Updated on STN: 31 Dec 2001

=> FIL STNGUIDE

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FULL ESTIMATED COST	66.86	67.28

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.50	-1.50

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LAST RELOADED: Oct 9, 2006 (20061009/UP).

First Hit

End of Result Set

L2: Entry 1 of 1 File: PGPB Apr 22, 2004

DOCUMENT-IDENTIFIER: US 20040076977 A1
TITLE: Marker assisted selection of bovine for improved milk production using diacylglycerol acyltransferase gene dgat1

Pre-Grant Publication (PGPub) Document Number:
20040076977

Summary of Invention Paragraph:
[0011] In particular, such applications include methods for modulating milk production and/or composition in a lactating bovine by affecting DGAT1 activity, by reducing the activity of DGAT1 (e.g. by use of specific ribozymes, antisense sequences and/or antibodies, or by transgenic technology to produce a "knock out" bovine and/or bovine with introduced transgenes containing the DGAT1 gene and/or variations of this gene driven by various promoters).

Detail Description Paragraph:
[0069] The present invention also contemplates the modulation of milk production and content in non-human animals by modulating the activity of the DGAT1 protein. In particular, this aspect of the invention includes a method of modulating milk production and/or milk content in a lactating bovine, the method comprising administering to the bovine an effective amount of a nucleic acid molecule substantially complementary to at least a portion of mRNA encoding the bovine DGAT1 variant proteins and being of sufficient length to sufficiently reduce expression of said DGAT1, i.e. by use of antisense nucleic acids.

Detail Description Paragraph:
[0070] Antisense nucleic acids or oligonucleotides (RNA or preferably DNA) can be used to inhibit DGAT1 production in a bovine if this is considered desirable e.g. in order to produce a bovine capable of improved milk production, i.e. increased milk volume and decreased milkfat content. Antisense oligonucleotides, typically 15 to 20 bases long, bind to the sense mRNA or pre mRNA region coding for the protein of interest, which can inhibit translation of the bound mRNA to protein. The cDNA sequence encoding DGAT1 can thus be used to design a series of oligonucleotides which together span a large portion, or even the entire cDNA sequence. These oligonucleotides can be tested to determine which provides the greatest inhibitory effect on the expression of the protein (Stewart 1996). The most suitable mRNA target sites include 5'- and 3'-untranslated regions as well as the initiation codon. Other regions might be found to be more or less effective.

Detail Description Paragraph:
[0071] Alternatively, an antisense nucleic acid or oligonucleotide may bind to DGAT1 coding sequences.

Detail Description Paragraph:
[0083] Thus, in further aspects, the invention provides transgenic non-human animals. These include by way of example only a transgenic bovine having a genome lacking a gene encoding a protein having biological activity of DGAT1 (or indeed any DGAT1 activity at all); a transgenic mouse having a genome containing a gene encoding a bovine protein having biological activity of any DGAT1; and a transgenic bovine having a gene, encoding a bovine protein having biological activity of a

bovine DGAT1 and heterologous nucleotide sequence antisense to the gene. The transgenic bovine can include a gene encoding a nucleic acid sequence having ribozyme activity and in transcriptional association with the nucleotide sequence antisense to the gene.

Detail Description Paragraph:
[0211] STEWART, A. J.; CANITROT, Y.; BARACCHINI, E.; DEAN, N. M.; DEELEY, R. G. and COLE, S. P. C. (1996). Reduction of expression of the multidrug resistance protein (MRP) in human tumour cells by antisense phophorothioate oligonucleotudes. Biochem Pharmacol. 51: 461-469.

CLAIMS:

40. An isolated antisense nucleic acid molecule for use in a method as claimed in claim 39.

49. A transgenic bovine having a gene encoding a bovine protein having biological activity of bovine DGAT1 and heterologous nucleotide sequence antisense to the gene.

SCORE Search Results for Application 10803482

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Item Listing Version# 1

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us-10-803-482-4.sl.rnpbn	Download
us-10-803-482-4.sl.rst	Download

This page gives you Search Results detail for the Application 10803482 and Search Result us-10-803-482-4.sl.rge.

start | next page

Go Back to previous page

GenCore version 5.1.9

OM nucleic - nucleic search, using sw model

Run on: August 23, 2006, 22:30:01 ; Search time 18006 Seconds
(without alignments)
7017.667 Million cell updates/sec

Title: US-10-803-482-4
Perfect score: 1976
Sequence: 1 gaatggacgagagaggcggc.....aaagtgctgtccagtgggag 1976

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 6366136 seqs, 31973710525 residues

Total number of hits satisfying chosen parameters: 2740178

Minimum DB seq length: 0
Maximum DB seq length: 100

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 65000 summaries

Database : GenEmbl:*
1: gb_env:*
2: gb_pat:*
3: gb_ph:*
4: gb_pl:*
5: gb_pr:*
6: gb_ro:*
7: gb_sts:*
8: gb_sy:*
9: gb_un:*
10: gb_vi:*
11: gb_ov:*
12: gb_htg:*
13: gb_in:*
14: gb_om:*
15: gb_ba:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

GenCore version 5.1.9

OM nucleic - nucleic search, using sw model

Run on: August 23, 2006, 22:15:08 ; Search time 1162 Seconds
(without alignments)
11856.423 Million cell updates/sec

Title: US-10-803-482-4
Perfect score: 1976
Sequence: 1 gaatggacgagagaggcggc.....aaagtgctgtccagtgggag 1976

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 5244920 seqs, 3486124231 residues

Total number of hits satisfying chosen parameters: 5647924

Minimum DB seq length: 0
Maximum DB seq length: 100

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 65000 summaries

Database : N_Geneseq_8:*
1: geneseqn1980s:*
2: geneseqn1990s:*
3: geneseqn2000s:*
4: geneseqn2001as:*
5: geneseqn2001bs:*
6: geneseqn2002as:*
7: geneseqn2002bs:*
8: geneseqn2003as:*
9: geneseqn2003bs:*
10: geneseqn2003cs:*
11: geneseqn2003ds:*
12: geneseqn2004as:*
13: geneseqn2004bs:*
14: geneseqn2005s:*
15: geneseqn2006s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

OM nucleic - nucleic search, using sw model

Run on: August 24, 2006, 00:09:56 ; Search time 395 Seconds
(without alignments)
9360.281 Million cell updates/sec

Title: US-10-803-482-4
Perfect score: 1976
Sequence: 1 gaatggacgagagaggcggc.....aaagtgctgtccagtgggag 1976

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1403666 seqs, 935554401 residues

Total number of hits satisfying chosen parameters: 1560966

Minimum DB seq length: 0
Maximum DB seq length: 100

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 65000 summaries

Database : Issued_Patents_NA:*
1: /EMC_Celerra_SIDS3/ptodata/2/ina/1_COMB.seq:*
2: /EMC_Celerra_SIDS3/ptodata/2/ina/5_COMB.seq:*
3: /EMC_Celerra_SIDS3/ptodata/2/ina/6A_COMB.seq:*
4: /EMC_Celerra_SIDS3/ptodata/2/ina/6B_COMB.seq:*
5: /EMC_Celerra_SIDS3/ptodata/2/ina/7_COMB.seq:*
6: /EMC_Celerra_SIDS3/ptodata/2/ina/H_COMB.seq:*
7: /EMC_Celerra_SIDS3/ptodata/2/ina/PCTUS_COMB.seq:*
8: /EMC_Celerra_SIDS3/ptodata/2/ina/PP_COMB.seq:*
9: /EMC_Celerra_SIDS3/ptodata/2/ina/RE_COMB.seq:*
10: /EMC_Celerra_SIDS3/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution

GenCore version 5.1.9

OM nucleic - nucleic search, using sw model

Run on: August 24, 2006, 00:49:36 ; Search time 2498 Seconds
(without alignments)
9719.923 Million cell updates/sec

Title: US-10-803-482-4
Perfect score: 1976
Sequence: 1 gaatggacgagagaggcggc.....aaagtgctgtccagtgggag 1976

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 18892170 seqs, 6143817638 residues

Total number of hits satisfying chosen parameters: 24414840

Minimum DB seq length: 0
Maximum DB seq length: 100

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 65000 summaries

Database : Published_Applications_NA_Main:*
1: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US07_PUBCOMB.seq:*
2: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US08_PUBCOMB.seq:*
3: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US09A_PUBCOMB.seq:*
4: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US09B_PUBCOMB.seq:*
5: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US09C_PUBCOMB.seq:*
6: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US10A_PUBCOMB.seq:*
7: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US10B_PUBCOMB.seq:*
8: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US10C_PUBCOMB.seq:*
9: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US10D_PUBCOMB.seq:*
10: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US10E_PUBCOMB.seq:*
11: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US10F_PUBCOMB.seq:*
12: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US10G_PUBCOMB.seq:*
13: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US11A_PUBCOMB.seq:*
14: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US11B_PUBCOMB.seq:*
15: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US11C_PUBCOMB.seq:*
16: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US11D_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

GenCore version 5.1.9

OM nucleic - nucleic search, using sw model

Run on: August 24, 2006, 00:51:46 ; Search time 1984 Seconds
(without alignments)
1623.282 Million cell updates/sec

Title: US-10-803-482-4
Perfect score: 1976
Sequence: 1 gaatggacgagagaggcggc.....aaagtgctgtccagtgggag 1976

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2239192 seqs, 814926892 residues

Total number of hits satisfying chosen parameters: 3133610

Minimum DB seq length: 0
Maximum DB seq length: 100

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 65000 summaries

Database : Published_Applications_NA_New:*
1: /EMC_Celerra_SIDS3/ptodata/1/pubpna/US09_NEW_PUB.seq:*
2: /EMC_Celerra_SIDS3/ptodata/1/pubpna/US06_NEW_PUB.seq:*
3: /EMC_Celerra_SIDS3/ptodata/1/pubpna/US07_NEW_PUB.seq:*
4: /EMC_Celerra_SIDS3/ptodata/1/pubpna/US08_NEW_PUB.seq:*
5: /EMC_Celerra_SIDS3/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
6: /EMC_Celerra_SIDS3/ptodata/1/pubpna/US10_NEW_PUB.seq:*
7: /EMC_Celerra_SIDS3/ptodata/1/pubpna/US11_NEW_PUB.seq:*
8: /EMC_Celerra_SIDS3/ptodata/1/pubpna/US11_NEW_PUB.seq1:*
9: /EMC_Celerra_SIDS3/ptodata/1/pubpna/US11_NEW_PUB.seq2:*
10: /EMC_Celerra_SIDS3/ptodata/1/pubpna/US60_NEW_PUB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

```
GenCore version 5.1.9
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OM nucleic - nucleic search, using sw model

Run on:         August 23, 2006, 23:54:57 ; Search time 9502 Seconds
                                           (without alignments)
                                          11628.773 Million cell updates/sec

Title:          US-10-803-482-4
Perfect score:  1976
Sequence:       1 gaatggacgagagaggcggc.........aaagtgctgtccagtgggag 1976

Scoring table:  IDENTITY_NUC
                Gapop 10.0 , Gapext 1.0

Searched:       48236798 seqs, 27959665780 residues

Total number of hits satisfying chosen parameters:      853524

Minimum DB seq length: 0
Maximum DB seq length: 100

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 65000 summaries

Database :        EST:*
                1:  gb_est1:*
                2:  gb_est3:*
                3:  gb_est4:*
                4:  gb_est5:*
                5:  gb_est6:*
                6:  gb_htc:*
                7:  gb_est2:*
                8:  gb_est7:*
                9:  gb_est8:*
                10:  gb_est9:*
                11:  gb_gss1:*
                12:  gb_gss2:*
                13:  gb_gss3:*
                14:  gb_gss4:*

     Pred. No. is the number of results predicted by chance to have a
     score greater than or equal to the score of the result being printed,
     and is derived by analysis of the total score distribution.
```